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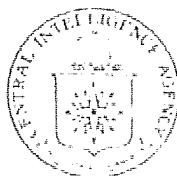
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January 1964

DECLASS REVIEW BY NIMA / DoD

PHOTOGRAPHIC INTERPRETATION REPORT

METEOROLOGICAL TOWER
AT MALOYAROSLAVETS RESEARCH INSTITUTE,
OBNINSK, USSR



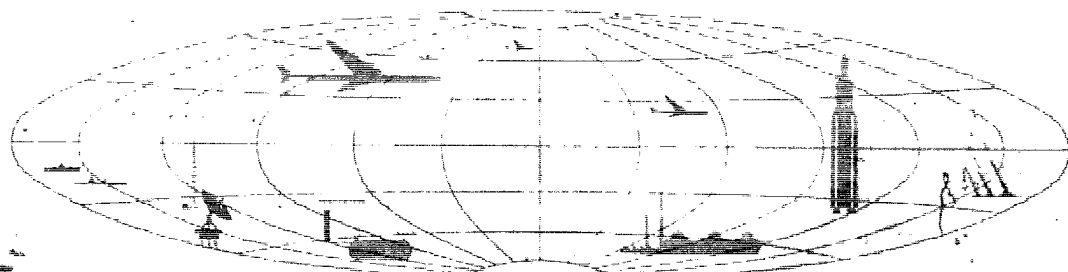
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METEOROLOGICAL TOWER
AT MALOYAROSLAVETS RESEARCH INSTITUTE,
OBNINSK, USSR

SUMMARY

25X1A The meteorological tower associated with
25X1A the Maloyaroslavets Research Institute at Ob-
ninsk, USSR (designated in the BE as Maloy-
aroslavets Research Institute Obninskoye, []
[] is located at 55-06-44N 36-36-
24E, approximately 5.8 nautical miles (nm)
northeast of the town of Maloyaroslavets []

25X9 Information published in Pravda in July 1960
25X9 states that the tower is []

25X1 With regard to the function of the tower, the
25X1 same article says:

"Many observations are made and interest-
ing results have been obtained concerning phe-
nomena in the lower layer of atmosphere.

The instruments used to record these phe-
nomena are attached to long arms outside the
tower so that measurements are made under
natural conditions.

"It is no accident, of course, that the tower
has been built near the world's first atomic
electric station (AES); serious research is
being conducted here in the atmosphere sur-
rounding the AES-1. It has been established
that the atomic electric station does not con-
tamine the atmosphere." 1/

The atomic electric station mentioned in
Pravda (designated in the BE as Maloyarosl-
avets Nuclear Thermal Power Plant Obninskoye, 25X1
[] is located immediately west
of the nuclear research institute, approximately
1.5 nm south-southwest of the meteorological
tower (Figure 1).

DESCRIPTION AND MEASUREMENTS

The tower appears to be constructed of
flanged sections, bolted or welded together.
The structure supports 14 octagonal platforms,
which are spaced about 75 feet apart except the
upper two, which are closer together. A small
support building beside the tower houses the re-
cording devices connected to the instruments
(Figure 2). The instrumentation appears to be
located in or attached to the boxlike objects at
the ends of the arms that extend outward from

opposite corners of the platforms. Several prob-
able anemometers are visible in Figure 3. It is
not possible to identify any of the other instru-
ments, but studies of the lower atmosphere would
call for any or all of the following: psychro-
meters, barometers or barographs, radiometric
devices, air sampling devices, and thermom-
eters. The tower is stabilized by steel guy wires,
and is said to have a circular office in the upper
part, reached by elevator. 1/

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FIGURE 1. METEOROLOGICAL TOWER AND ASSOCIATED INSTALLATIONS AT OBNINSK, USSR.

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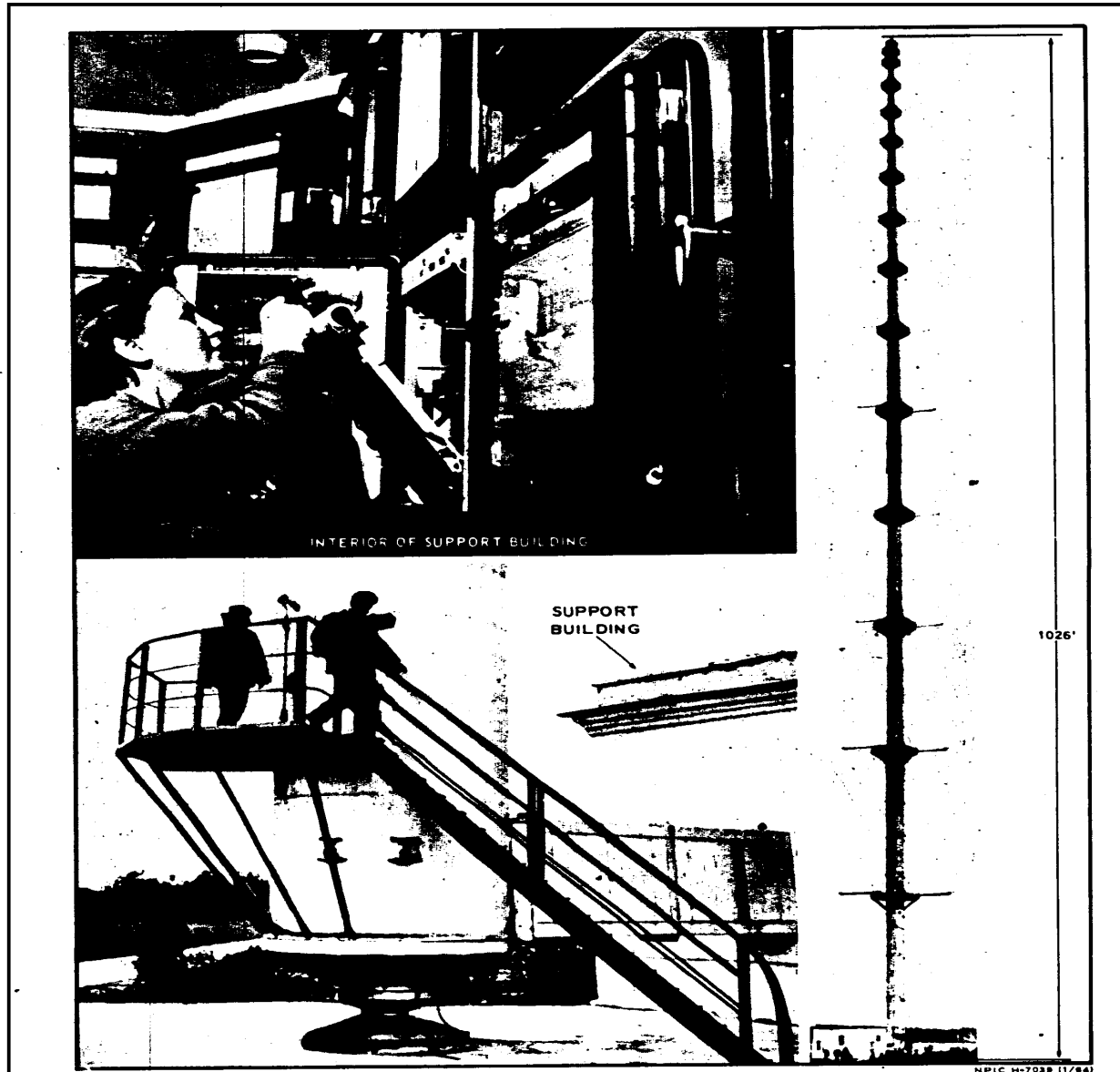


FIGURE 2. GROUND PHOTOGRAPHS OF METEOROLOGICAL TOWER AND SUPPORT BUILDING, 1960.

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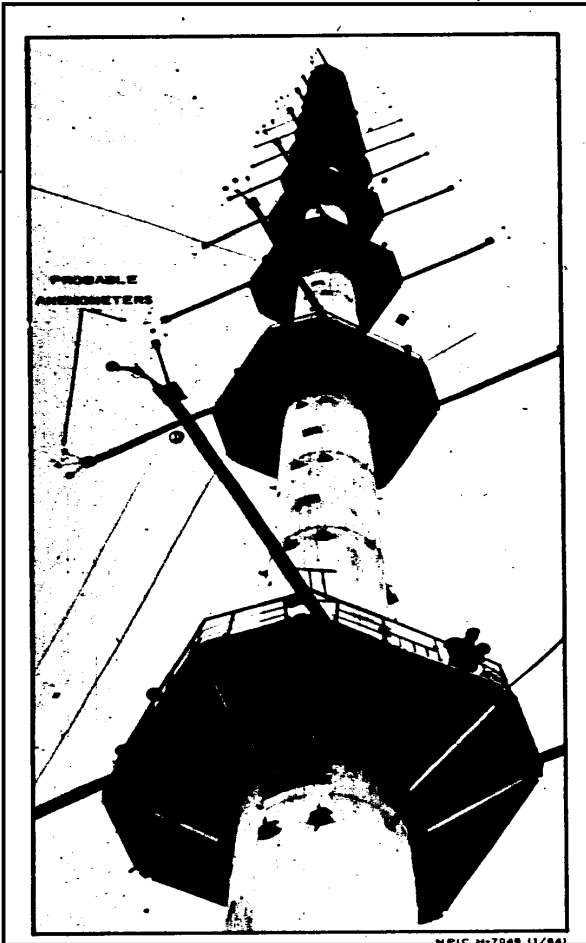


FIGURE 3. GROUND PHOTOGRAPH OF METEOROLOGICAL TOWER, 1960.

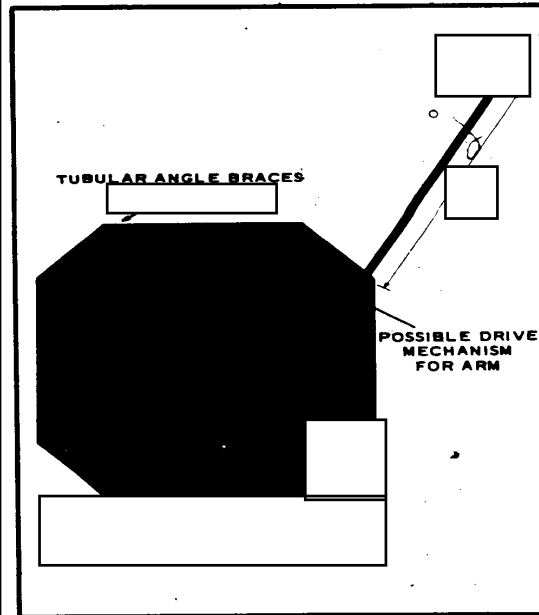


FIGURE 4. PLAN VIEW OF METEOROLOGICAL TOWER PLATFORM.

Measurements made on available photography

Figure 4 shows the significant dimensions of the tower platforms and instrument arms. These measurements were made on the basis of the assumed diameter of

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REFERENCES

PHOTOGRAPHY

25X1D

Ground photographs from Soviet publication Soviet Union, No 130, 1960 (UNCLASSIFIED)

MAPS OR CHARTS

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ACIC. US Air Target Chart, Series 200, Sheet 0167-9A, 1st ed, Jan 59, scale 1:200,000 (SECRET)

DOCUMENT

1. USSR. Pravda*, Moscow, 7 Jul 60 (UNCLASSIFIED)

REQUIREMENT

CIA. C-SI3-80,731

NPIC PROJECT

J-381/63

*Translated in US Department of Commerce PB 131632-130, Information on Soviet Bloc International Geophysical Cooperation - 1960, 5 Aug 60 (UNCLASSIFIED).

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